

Stub drill HSS-E FS, uncoated, Ø DC h8: 19mm



Order data

Order number	113020 19		
GTIN	4045197003126		
Item class	11B		

Description

Version:

Particularly robust and strong due to strengthened core.

Ground flutes, with high concentricity.

Bright finish flutes, nitrided lands.

With point geometry shape C up to 3.9 mm; shape S (special) from 4 mm.

Advantage:

Ideal for drilling shallow holes (approx. 2 - 4×D) on NC machines and automatic machines.

Recommendation:

Maximum drilling depth:

 $L_2 = L_C - 1.5 \times D_C$.

Technical description

Nominal Ø D _c	19 mm		
Flute length L _c	64 mm		
Feed f in steel < 750 N/mm ²	0.2 mm/rev.		
Number of cutting edges Z	2		
Tolerance nominal Ø	h8		
Shank Ø D _s	19 mm		
Overall length L	127 mm		
Standard	DIN 1897		
recommended maximum drilling depth L ₂	35.5 mm		
Point angle	135 degrees		

Shank	Plain shank		
Coating	uncoated		
Tool material	HSS E		
Туре	FS		
Helix angle	38 degrees		
Through-coolant	no		
Colour ring	without		
Type of product	Jobber drill		

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Steel < 500 N/mm ²	suitable	40 m/min	Р
Steel < 750 N/mm ²	suitable	30 m/min	Р
GG(G)	suitable	25 m/min	K
Oil	suitable		
wet maximum	suitable		